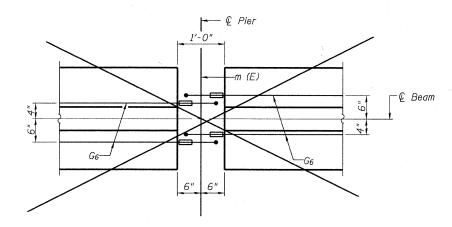
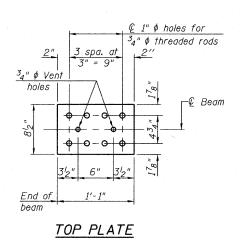
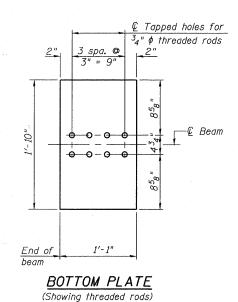


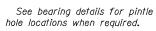
ELEVATION OF BEAM AT PIER

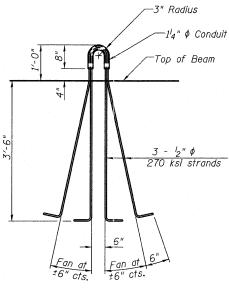


PLAN OF BEAM AT PIER



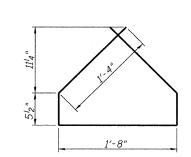






LIFTING LOOP DETAIL

shall be 0.153 sq. in.



BAR GI

BAR G2

Inserts for 34" \$\phi\$ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $^{l}_{2}$ " and the nominal cross-sectional area

-Tilt G₆ bars when necessary to maintain 1½" clearance.

125 percent of the yield strength of the reinforcement bar.

plates and threaded rods need not be galvanized.
Threaded rods shall be ASTM F 1554 Grade 55.

The top and bottom plates shall be AASHTO M270 Grade 50.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).

A minimum $2\frac{1}{2}$ " ϕ lifting pin shall be used to engage the lifting loops during handling.

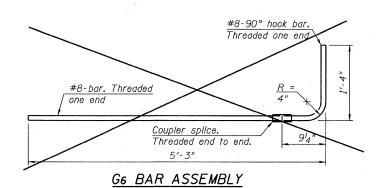
The bottom plates and studs shall be galvanized according to AASHTO M111. Top

-The G_6 bar assembly shall have the threaded ends oversized to ensure no reduction

in cross sectional area after threading. The coupler splice shall be capable of developing

Beams requiring G₆ bar assemblies shall not be released from the fabricator until they have attained 45 days of age or older.

BAR G4



BAR G5

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48"	Ft.	389

PI-4-48D

7-1-10

Bollinger, Lach
& Associates, In
 ITASCA, ILLINOIS

1 10		
USER NAME ≈ gonzalo	DESIGNED JJI SRT	REVISED -
	CHECKED SRTJJI	REVISED -
PLOT SCALE =	DRAWN GM GM	REVISED -
PLOT DATE = 7/26/2011	CHECKED SRTJJI	REVISED -

STATE OF ILLINOIS **GREAT WESTERN TRAIL GRACE STREET**

48" PPC I-BEAM DETAILS STRUCTURE NO. 022-3120 SHEET NO. 11 OF 25 SHEETS

COUNTY SHEETS NO.

Dupage 201 63 SECTION 06-00151-00-BR CONTRACT NO. 63568

End of BOTTOM PLATE (Showing studs)

— € Beam